

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Peter BUDTZ et al.
Title: ENZYMATIC PROCESS FOR OBTAINING INCREASED YIELD OF
LACTOBIONIC ACID
Int'l. Appl. No.: PCT/DK2005/000299
Int'l. Filing Date: 5/2/2005
Examiner: Unassigned
Art Unit: Unassigned

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

RELEVANCE OF EACH DOCUMENT

The documents being cited in the attached PTO/SB/08 were cited as being relevant during the prosecution of the corresponding international application. A copy of the International Search Report is attached setting forth the portion of the documents considered relevant by the examiner. A copy of the cited references listed in the Search Report are not being submitted herewith.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date 21 March 2006

By S. A. Bent

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10/572911

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Date Submitted: March 21, 2006

(use as many sheets as necessary)

Sheet

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of

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Application Number	Unassigned
Filing Date	March 21, 2006
First Named Inventor	Peter BUDTZ
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	030427-0109

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	3 930 028 A		Agnes ULLMANN et al.	12/30/1975	
	A2	2004/151802 A1		KOKA RAMARANTHA et al.	8/5/2004	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A3	WO	02/089592 A		KRAFT FOODS R&D INC. et al.	11/14/2002		
	A4	EP	0 384 534 A		COOPERATIEVE VERKOOP -EN PRODUCTIEVERENIGING VAN AARDAPPELMEEL EN DER	8/29/1990		
	A5	WO	03/037093 A		NOVOZYMES AS	5/8/2003		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A6	MIYAMOTO et al., "Production of lactobionic acid from whey by Pseudomonas sp. LS13-1", BIOTECHNOLOGY LETTERS, vol. 22, 2000, pp. 427-430.	
	A7	H. MURAKAMI et al., "Fermentative production of lactobionic acid by Burkholderia capacia", Journal of Applied Glycoscience, vol. 50, no. 2, 2003, pp. 117-120.	
	A8	A. RAND et al. "Direct Enzymatic Conversion of Lactose to Acid: Glucose Oxidase and Hexose Oxidase", Journal of Food Science, Institute of Food Technologists, Chicago, US, vol. 37, no. 5, 1972, pp. 698-701.	
	A9	D.G. WRIGHT et al., "Direct Enzymatic Conversion of Lactose to Acid: Lactose Dehydrogenase", Journal of Food Science, Institute of Food Technologists, Chicago, US, vol. 38, 1973, pp. 1132-1135.	
	A10	A.G. RAND et al., "Direct Enzymatic Conversion of Lactose in Milk to Acid", Journal of Dairy Science, American Dairy Science Association, Champaign, Illinois, US, August 1, 1975, pp. 1144-1150.	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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